INT. J. REMOTE SENSING, 1990, VOL. 11, NO. 12, 2345–2355

## Index of Authors (with the titles of papers)

AGARWAL, V. K., *see* Basu, S.
AHERN, F. J., *see* Way, J.
AHOLA, P., *see* Hallikainen, M. T.
AIFADOPOULOU, D., *see* Maracci, G.
ALBANAKIS, K. S.: Testing of a model for the simulation of the volume reflectance of water due to suspended sediment under controlled conditions, for various sediment types, 1533
ALI, M. M.: Estimation of the horizontal velocity of the Socotra eddy and some observations of sea surface thermal feature using INSAT-1B, 41
ALMOS, C. L., *see* Topliss, B. J.
ALPERS, W., *see* Brüning, C.
AMMAR, A. A., *see* Rabie, S. I.
AMMER, U., *see* Koch, B.
ANDRETTA, A., SERIO, C., BONZAGNI, M. M., RIZZI,, and CUOMO, V.: A three-step cloud clearing procedure for infrared sounder measurements, 1349
ANGELOPOULOS, A., *see* Stefouli, M.
ASHCROFT, P. M., CATT, J. A., CURRAN, P. J., MUNDEN, J., and WEBSTER, R.: The relation between reflected radiation and yield on the Broadbalk winter wheat experiment, 1821
ASTARAS, T., LAMBRINOS, N., and SOULAKELLIS, N.: A drainage system analysis evaluation of, and comparison between, Landsat-3 RBV, Landsat-5 TM and SPOT PA imageries covering the Central Macedonia district, Greece, 1549

BAGHERI, S., and DIOS, R. A.: Chlorophyll-*a* estimation in New Jersey's coastal waters using Thematic Mapper data, 289
BAKHIT, F. S., *see* Meleik, M. L.
BARBERO, M., *see* Maniere, R.
BARET, F., *see* Major, D. J.
BARET, F., *see* Steinmetz, S.
BARNSLEY, M. J., and KAY, S. A. W.: The relationship between sensor geometry, vegetation-canopy geometry and image variance, 1075
BARTHOLOMEW, M. L., *see* Salvaggio, C.
BASU, S., TEWARI, M., and AGARWAL, V. K.: A model for retrieval of surface spectral reflectance from satellite radiance measurements using realistic atmospheric aerosol profiles, 395
BECKER, F., and ZHAO-LIANG LI: Towards a local split window method over land surfaces, 369
BELWARD, A. S., and LAMBIN, E.: Limitations to the identification of spatial structures for AVHRR data, 921
BELWARD,, A. S., TAYLOR, J. C., STUTTARD, M. J., BIGNAL, E., MATHEWS, J., and CURTIS, D.: An unsupervised approach to the classification of semi-natural vegetation from Landsat Thematic Mapper data. A pilot study of Islay, 429
BENIOT, M., *see* Girard, C. M.
BHAN, S. K., *see* Saha, S. K.
BHATTACHARYA, B. B., and MAJUMDAR, T. J.: Development and applications of a database using Bhaskara SAMIR (microwave) data, 577
BHATTACHARYA, B. B., *see* Majumdar, T. J.
BIERWIRTH, P. N.: Mineral mapping and vegetation removal via data-calibrated Pixel unmixing, using multispectral images, 1999
BIGNAL, E., *see* Belward, A. S.
BINDSCHADLER, R. A., *see* Hall, D. K.
BLANCHARD, A. J., *see* Nance, C. E.
BONN F., *see* Desjardins, R.
BONZAGNI, M. M., *see* Andretta, A.
BOOCHS, F., KUPFER, G., DOCKTER, K., and KÜHBAUCH, W.: Shape of the red edge as vitality indicator for plants, 1741

BORRY, F. C., *see* De Wulf, R. R.
BORSTAD, G. A., *see* Gower, J. F. R.
BRAKKE, T. W., and OTTERMAN, J.: Canopy bidirectional reflectance dependence on leaf orientation, 1023
BRÜNING, C., ALPERS, W., and HASSELMANN, K.: Monte-Carlo simulation studies of the nonlinear imaging of a two-dimensional surface wave field by a synthetic aperture radar, 1695
BÜTTNER, G., and KAPOVITS, A.: Characterization and removal of horizontal striping from SPOT panchromatic imagery, 359

CALA, O. P. N., *see* Sen, A. K.
CALLA, O. P. N., *see* Vyas, A. D.
CARTER, L., *see* Devereus, B. J.
CASELLES, V., *see* López García, M. J.
CASLER, K. E., *see* Huber, T. P.
CATT, J. A., *see* Ashcroft, P. M.
CHALLENOR, P. G., FOALE, S., and WEBB, D. J.: Seasonal changes in the global wave climate measured by the GEOSAT altimeter, 2005
CHAMIGNON, C., and MANIÈRE, R.: Forest cover type mapping and damage assessment of *Zeiraphira diniana* by SPOT 1 HRV data in the Mercantour National Park, 1439
CHAMIGNON, C., *see* Manière, R.
CHANG, A. T. C., FOSTER, J. L., and HALL, D. K.: Satellite sensor estimates of northern hemisphere snow volume, 167
CHANG, A. T. C., *see* Hall, D. K.
CHEN SHI PING: Height errors introduced into the analysis of radar altimetry data by use of the simplified Brown model, 561
CHIARANTINI, L., *see* Pampaloni, P.
CHIEN, Y. L., *see* Choudhury, B. J.
CHONG, Y. J.: Cover. MESSR image of reclaimed land at Jurong Industrial Estate, Singapore, 703
CHOROWICZ, J., *see* Lyberis, N.
CHOUDHURY, B. J., *see* Kustas, W. P.
CHOUDHURY, B. J., *see* Smith, R. C. G.
CHOUDHURY, B. J., WANG, J. R., HSU, A. Y., and CHIEN, Y. L.: Simulated and observed 37 GHz emission over Africa, 1837
CHOUDHURY, B. J.: Monitoring arid lands using AVHRR-observed visible reflectance and SMMR37 GHz polarization difference, 1949
CHRISTENSEN, JR, N. L., *see* Kasischke, E. S.
CHRISTENSEN, N., *see* Way, J.
CHUAH, H. T., and TAN, H. S.: A numerical model for radar backscatter from a lossy inhomogeneous layer, 639
CIBULA, W. G., and LUCAS, W.: Utilization of Landsat multispectral data in geobotanical investigations. The location of ironstone gravel in the Sam Houston National Forest, Texas, 331
CONEL, J. E.: Determination of surface reflectance and estimates of atmospheric optical depth and single scattering albedo from Landsat Thematic mapper data, 783
COPPO, P., *see* Pampaloni, P.
COURBOULES, J., *see* Maniere, R.
CRACKNELL, A. P., *see* Ibrahim, M.
CUOMO, V., *see* Andretta, A.
CURLANDER, J. C., *see* Kwok, R.
CURRAN, P. J., and DUNGAN, J. L.: Cover. An image recorded by the Airborne Visible/Infrared imaging spectrometer (AVIRIS), 929
CURRAN, P. J., *see* Girard, C. M.
CURTIS, D., *see* Belward, A. S.

DALEZIOS, N. R., KOUWEN, N., and LINARDIS, P. C.: Modelling and navigating space–time drift of digitized radar rainfall patterns, 1055
DALEZIOS, N. R.: Digital processing of weather radar signals for rainfall estimation, 1561
DAS GUPTA, M. K. *see* Sen, A. K.

Das, J., De, A. K., and Dutta Majumder, D.: Sodar observation of elevated layers around Calcutta, 1033
Das, T. K., *see* Sen, A. K.
Davies, P. A., and Mofor, L. A.: Observations of flow separation by an isolated island, 767
Davis, J. S., *see* Salvaggio, C.
De Roover, B. P., *see* De Wulf, R. R.
De Wulf, R. R., Goossens, R. E., De Roover, B. P., and Borry, F. C.: Extraction of forest stand parameters from panchromatic and multispectral SPOT-1 data, 1571
De, A. K., *see* Das, J.
Delecolle, R., *see* Steinmetz, S.
Deroo, C., *see* Tanré, D.
Deschamps, P. Y., *see* Tanré, D.
Desjardins, R. L., *see* Mack, A. R.
Desjardins, R., Gray, J., and Bonn, F.: Atmospheric corrections for remotely-sensed thermal data in a cool humid temperate zone, 1369.
Detwiler, A.: Analysis of cloud imagery using box counting, 887
Dev Barman, S., *see* Sen, A. K.
Dev Gupta, A. K., *see* Sen, A. K.
Devereux, B. J., Fuller, R. M., Carter, L., and Parsell,, R. J.: Geometric correction of airborne scanner imagery by matching Delaunay triangles, 2237
Dios, R. A., *see* Begheri, S.
Dobson, M. C., *see* Ulaby, F. T.
Docktor, K., *see* Boochs, F.
Dong-Chen He, *see* Li Wang
Duggin, M. J., and Robinove, C. J.: Assumptions implicit in remote sensing data acquisition and analysis, 1669
Duggin, M. J., *see* Salvaggio, C.
Duhaut, P., *see* Tanré, D.
Dungan, J. L., *see* Curran, P. J.
Dutta Majumder, D., *see* Das, J.

Elachi, C., Im, K. E., Li, F., and Rodriguez, E.: Global digital topography mapping with a synthetic aperture scanning radar altimeter, 585
Elamn, G. C., *see* Kim, H. H.
Elvidge, C. D.: Visible and near infrared reflectance characteristics of dry plant materials, 1775
Emery, W. J., *see* Schlüssel, P.

Fiedler, P. C., and Laurs, R. M.: Variability of the Columbia River plume observed in visible and infrared satellite imagery, 999
Fischer, J., and Kronfeld, U.: Sun-stimulated chlorophyll fluorescence. 1. Influence of oceanic properties, 2125
Fischer, J., and Schlüssel, P.: Sun-stimulated chlorophyll fluorescence. 2. Impact of atmospheric properties, 2149
Fiselier, J. L., *see* Rosema, A.
Foale, S., *see* Challenor, P. G.
Foody, G. M.: Directed ground survey for improved maximum likelihood classification of remotely sensed data, 1935
Foster, J. L., *see* Chang, A. T. C.
Foster, J. L., *see* Hall, D. K.
Francis, P. W., *see* Rothery, D. A.
Franklin, S. E., and Peddle, D. R.: Classification of SPOT HRV imagery and texture features, 551
Fuller, R. M., and Parsell, R. J.: Classification of TM imagery in the study of land use in lowland Britain: practical considerations for operational use, 1901
Fuller, R. M., *see* Devereux, B. J.

Gagliani, S., *see* Pampaloni, P.
Gastellu-Etchegorry, J. P.: An assessment of SPOT XS and Landsat MSS data for digital classification of near-urban land cover, 225

GATES, D. M.: Climate change and the response of forests, 1095
GAUNTLETT, D. J., *see* Zillman, J. W.
GAYLE, D., *see* Specter, C.
GERSTL, S. A. W.: Physics concepts of optical and radar reflectance signatures. A summary review, 1109
GILABERT, M. A., and MELIÁ, J.: A simple geometrical model for analysing the spectral response of a citrus canopy using satellite images, 1391
GIRARD, C. M., BENOIT, M., and CURRAN, P. J.: SPOT HRV data to discriminate grassland quality, 2253
GOGINENI,, S., MOORE, R. K., and WANG, Q.: Radar backscatter measurements over saline ice, 603
GONG, P., and HOWARTH, P. J.: A graphical approach for the evaluation of land-cover classification procedures, 899
GOOSSENS, R. E., *see* De Wulf, R. R.
GOWER, J. F. R., and BORSTAD, G. A.: Mapping of phytoplankton by solar-stimulated fluorescence using an imaging spectrometer, 313
GRAßL, H., *see* Schmitz-Peiffer, A.
GRAßL, H., *see* Schlüssel, P.
GRAY, J., *see* Desjardins, R.
GREGOIRE, J. M., *see* Malingreau, J. P.
GRIERSMITH, D., *see* Zillman, J. W.
GUERIF, M., *see* Steinmetz, S.
GUYOT, G., *see* Major, D. J.

HALL, D. K., BINDSCHADLER, R. A., FOSTER, J. L., CHANG, A. T. C., and SIDDALINGAIAH, H.: Comparison of *in situ* and satellite-derived reflectances of Forbindels Glacier, Greenland, 493
HALL, D. K., *see* Chang, A. T. C.
HALL-KÖNYVES, K.: Crop monitoring in Sweden, 461
HALLIKAINEN, M. T., TARES, T., HYYPPÄ, J., SOMERSALO, E., AHOLA, P., TOIKKA, M., and PULLIAINEN, J.: Helicopter-borne measurement of radar backscatter from forest, 1179
HANDAYA, A., *see* van der Meer Mohr, H.
HARE, E. W., *see* Miller, J. R.
HASHIMI, N. H., *see* Wagle, B. G.
HASSELMANN, K., *see* Brüning, C.
HENDERSON-SELLERS, A., and MCGUFFIE, K.: Are cloud amounts estimated from satellite sensor and conventional surface-based observations related?, 543
HERMAN, M., *see* Tanré, D.
HESS, L. L., MELACK, J. M., and SIMONETT, D. S.: Radar detection of flooding beneath the forest canopy: a review, 1313
HICK, P. T., *see* Myers, D. G.
HILL, P. R., *see* Topliss, B. J.
HOEKMAN, D. H.: A brief review of microwave forest signature measurements in the Netherlands and the perspective for a European research programme, 1193
HOFFER, R., *see* Way, J.
HOLBEN, B. N., KAUFMAN, Y. J., and KENDALL, J. D.: NOAA-11 AVHRR visible and near-IR inflight calibration, 1511
HOLTZMAN, J. C., *see* West, J. C.
HOWARTH, P. J., *see* Gong, P.
HSU, A. Y., *see* Choudhury, B. J.
HUBER, T. P., and CASLER, K. E.: Initial analysis of Landsat TM data for elk habitat mapping, 907
HUNT, G. A., *see* Rothery, D. A.
HUNTINGDON, J. F., *see* Morgan, G. A.
HVELPLUND, E. K., *see* Jensen, A.
HYYPPÄ, J., *see* Hallikainen, M. T.

IBRAHIM, M., and CRACKNELL, A. P.: Cover. Bathymetry using Landsat MSS data of Penang Island in Malaysia, 557
IM, K. E., *see* Elachi, C.
IMHORFF, M., *see* Way, J.
INOUE, Y., *see* Kustas, W. P.
ISRAEL, S., *see* Salvaggio, C.

JACKSON, R. D., *see* Kustas, W. P.
JENSEN, A., LORENZEN, B., ØSTERGAARD, H. S., and HVELPLUND, E. K.: Radiometric estimation of biomass and nitrogen content of barley grown at different nitrogen levels, 1809
JENSEN, J. R., *see* Ramsey III, E. W.
JOHANNESSEN, O., *see* Shuchman, R. A.
JONES, C., *see* Thomson, A. G.
JUSTICE, C. O., *see* Townshend, J. R. G.

KANG, Y. T., *see* Salvaggio, C.
KAPOVITS, A., *see* Büttner, G.
KARMAKAR, P. K., *see* Sen, A. K.
KARTERIS, M. A.: The utility of digital Thematic Mapper data for natural resources classification, 1589
KASISCHKE, E. S., and CHRISTENSEN, JR, N. L.: Connecting forest ecosystem and microwave backscatter models, 1277
KASISCHKE, E., *see* Way, J.
KAUFMAN, Y. J., *see* Holben, B. N.
KAY, S. A. W., *see* Barnsley, M. J.
KENDALL, J. D., *see* Holben, B. N.
KENYON, K. E., *see* Sheres, D.
KIDD, C., and LUCAS, R. M.: Passive microwave radiometry over Antarctica, 1969
KIM, H. H., and ELMAN, G. C.: Normalization of satellite imagery, 1331
KOBAYASHI, F., *see* SENOO, T.
KOCH, B., AMMER, U., SCHNEIDER, T., and WITTMEIER, H.: Spectroradiometer measurements in the laboratory and in the field to analyse the influence of different damage symptoms on the reflection spectra of forest trees, 1145
KOGAN, F. N.: Remote sensing of weather impacts on vegetation in non-homogeneous areas, 1405
KONTOES, C., and STAKENBORG, J.: Availability of cloud-free Landsat images for operational projects. The analysis of cloud-cover figures over the countries of the European Community, 1599
KORJEFF BELLOWS, W., *see* Topinka, J. A.
KOUWEN, N., *see* Dalezios, N. R.
KRISHNAMURTHY, J.: Delineation of Deccan Trap outcrop extensions using satellite remote sensing techniques in Lalitpur district, Uttar Pradesh, India, 267
KRONFELD, U., *see* Fischer, J.
KUDRAT, M., *see* Saha, S. K.
KÜHBAUCH, W., *see* Boochs, F.
KUMAR, V., *see* Singh, R. P.
KUPFER, G., *see* Boochs, F.
KUSTAS, W. P., CHOUDHURY, B. J., INOUE, Y., PINTER, P. J., MORAN, M. S., JACKSON, R. D., and REGINATO, R. J.: Ground and aircraft infrared observations over a partially-vegetated area, 409
KWOK, R., CURLANDER, J. C., and PANG, S. S.: An automated system for mosaicking spaceborne SAR imagery, 209

LAANE, R., *see* Spitzer, D.
LACAZE, B., *see* Rambal, S.
LAMBIN, E., *see* Belward, A. S.
LAMBRINOS, N., *see* Astaras, T.

LAPORTE, N., *see* Malingreau, J. P.
LAURS, R. M., *see* FIEDLER, P. C.
LE MARSHALL, J., *see* Zillman, J. W.
LEAK, S. M., and VENUGOPAL, G.: Thematic multiple sensor imagery improved histogram matching, 841
LI WANG, and DONG-CHEN HE: Recognition of lithological units in airborne SAR images using new texture features, 2337
LI, F., *see* Elachi, C.
LINARDIS, P. C., *see* Dalezios, N. R.
LIU, J. G., and MOORE, J. McM.: Hue image RGB colour composition. A simple technique to suppress shadow and enhance spectral signature, 1521
LLOYD, D.: A phenological classification of terrestrial vegetation cover using shortwave vegetation index imagery, 2269
LÓPEZ GARCÍA, M. J., and CASELLES, V.: A multi-temporal study of chlorophyll-*a* concentration in the Albufera lagoon of Valencia, Spain, using Thematic Mapper data, 301
LORENZEN, B., *see* Jensen, A.
LUCAS, R. M., *see* Kidd, C.
LUCAS, W., *see* Cibula, W. G.
LUZI, G., *see* Pampaloni, P.
LYBERIS, B. N., PARROT, J. F., CHOROWICZ, J., and RUDANT, J. P.: Geological features of the Spitsbergen region obtained from multispectral SPOT data and field radiometer measurements, 253

MACDONALD, J. C., and MILTON, E. J.: The polarization feature space: a new method of data presentation, 1941
MACK, A. R., DESJARDINS, R. L., MACPHERSON, J. I., and SCHUEPP, P. H.: Relative photosynthetic activity of agricultural lands from airborne carbon dioxide and satellite data, 237
MACPHERSON, J. I., *see* Mack, A. R.
MAJOR, D. J., BARET, F., and GUYOT, G: A ratio vegetation index adjusted for soil brightness, 727
MAJUMDAR, T. J., and BHATTACHARYA, B. B.: Simulation of thermal inertia imagery with daytime HCMM data, 139
MAJUMDAR, T. J., *see* Bhattacharya, B. B.
MALINGREAU, J. P., LAPORTE, N., and GREGOIRE, J. M.: Cover. Exceptional fire events in the tropics, 2121
MALINGREAU, J. P., and TUCKER, C. J.: Cover. Ranching in the Amazon Basin. Large-scale changes observed by AVHRR, 187
MANIÈRE, R., CHAMIGNON, C., COURBOULES, J., et BARBERO, M.: Données Thematic Mapper de Landsat et perception de l'occupation du sol en milieu littoral méditerranéen, 69
MANIÈRE, R., *see* Chamignon, C.
MANIÈRE, G., and AIFADOPOULOU, D.: Multi-temporal remote sensing study of spectral signatures of crops in the Thessaloniki test site, 1609
MARACCI, G., and ZIBORDI, G.: Atmospheric optical thickness from '$2\pi$ radiometer' data, 1957
MARACCI, G., *see* Zibordi, G.
MARJORAM, A. R., VICKERY, P. J., and MCKENZIE, D. C.: a polytetrafluoroethylene coating for field reference reflection panels, 1047
MATHEWS, J., *see* Belward, A. S.
MCDONALD, K., *see* Ulaby, F. T.
MCGUFFIE, K., *see* Henderson-Sellers, A.
MCKENZIE, D. C., *see* Marjoram, A. R.
MELACK, J. M., *see* Hess, L. L.
MELEIK, M. L., and BAKHIT, F. S.: Application of autocorrelation function to structural lineaments in radioactive sample area in the central Eastern Desert of Egypt, 1919
MELIÁ, J., *see* Gilabert, M. A.
MILLER, J. R., HARE, E. W., and WU, J.: Quantitative characterization of the vegetation red edge reflectance. An inverted-Gaussian reflectance model, 1755
MILNE, A. K., and O'NEILL, A. L.: Mapping and monitoring land cover in the Willandra Lakes World Heritage Region, 2035
MILNE, A., *see* Way, J.

MILTON, E. J., *see* MacDonald, J. C.
MO, T., *see* Wang, J. R.
MOFOR, L. A., *see* Davies, P. A.
MOORE, J. McM., *see* Liu, J. G.
MOORE, R. K., *see* Gogineni, S.
MOORE, R. K., *see* West, J. C.
MORAN, M. S., *see* Kustas, W. P.
MORCRETTE, J. J., *see* Tanré, D.
MORGAN, G. A., and HUNTINGDON, J. F.: Cover, 1977
MORGAN, G. A.: Preface, 1975
MOUGINIS-MARK, P. J., *see* Munro, D. C.
MOUTSOULAS, M., *see* Toulios, L. G.
MUNDEN, J., *see* Ashcroft, P. M.
MUNRO, D. C., and MOUGINIS-MARK , P. J.: Eruptive patterns and structure of Isla Fernandina, Galapagos Islands, from SPOT-1 HRV and large format camera images, 1501
MYERS, D. G., and HICK, P. T.: An application of satellite-derived sea surface temperature data to the Australian fishing industry in near real-time, 2103

NANCE, C. E., and BLANCHARD, A. J.; Backscatter measurements from a vegetation-like structure, 1205
NANU, L., and ROBERTSON, C.: Estimating suspended sediment concentrations from spectral reflectance data, 913
NICHOL, D. G.: Region adjacency analysis of remotely sensed imagery, 2089
NICOLOYANNI, E.: Un indice de changement diachronique appliqué à deux scènes Landsat MSS sur Athènes (Grèce), 1617

O'NEILL, A. L., *see* Milne, A. K.
ØSTERGAARD, H. S., *see* Jensen, A.
OTTERMAN, J., *see* Brakke, T. K.

PALOSCIA, S., *see* Pampaloni, P.
PAMPALONI, P., PALOSCIA, S., CHIARANTINI, L., COPPO, P., GAGLIANI, S., and LUZI, G.: Sampling depth of soil moisture content by radiometric measurement at 21 cm wavelength: some experimental results, 1085
PANG, S. S., *see* Kwok, R.
PARIS, J., *see* Way, J.
PARROT, J. F., *see* Lyberis, N.
PARSELL, R. J., *see* Devereux, B. J.
PARSELL, R. J., *see* Fuller, R. M.
PEDDLE, D. R., *see* Franklin, S. E.
PERBOS, J., *see* Tanré, D.
PETERSON, D. L., *see* Spanner, M. A.
PIERCE, L. L., *see* Spanner, M. A.
PINKER, R. T., and STOWE, L. L.: Modelling planetary bidirectional reflectance over land, 113
PINTER, P. J., *see* Kustas, W. P.
PRATA, A. J., and WELLS, J. B.: A satellite sensor image of the Leeuwin current, Western Australia, 173
PRATA, A. J.: Satellite-derived evaporation from Lake Eyre, South Australia, 2051
PRATI, C., and ROCCA, F.: Limits to the resolution of elevation maps from stereo SAR images, 2215
PULLIAINEN, J., *see* Hallikainen, M. T.

QUARMBY, N. A., and SAULL, R. J.: Cover. The use of perspective views in local planning, 1329

RABIE, S. I., and AMMAR, A. A.: Pattern of the main tectonic trends from remote geophysics, geological structures and satellite imagery, Central Eastern Desert, Egypt, 669
RAFFY, M., *see* Ramstein, G.
RAMBAL, S., LACAZE, B., and WINKEL, T.: Testing an area-weighted model for albedo or surface temperature of mixed pixels in Mediterranean woodlands, 1495

RAMSEY III, E. W., and JENSEN, J. R.: The derivation of water volume reflectances from airborne MSS data using *in situ* water volume reflectances, and a combined optimization technique and radiative transfer model, 979
RAMSTEIN, G., et RAFFY, M.: Algorithme d'analyse fractale de contours en télédétection et applications, 191
RANA, S. S., *see* Vyas, A. D.
RAUSTE, Y.: Incidence-angle dependence in forested and non-forested areas in Seasat SAR data, 1267
REDDY, P. S. A., *see* Shiva Prasad, C. R.
REDDY, R. S., *see* Shiva Prasad, C. R.
REGINATO, R. J., *see* Kustas, W. P.
RICHARDS, J. A., *see* Srinivasan, A.
RICHARDS, J. A.: Radar backscatter modelling of forests: a review of current trends, 1299
RICHARDS, J., *see* Way, J.
RICHARDSON, A. J., and WIEGAND, C. L.: Comparison of two models for simulating the soil–vegetation composite reflectance of a developing cotton canopy, 447
RICHTER, R.: A fast atmospheric correction algorithm applied to Landsat TM images, 159
RIVEREAU, J. C.: Cover. The eastern coast of India in the vicinity of Madras, 367
RIZZI, R., *see* Andretta, A.
ROBERTSON, C., *see* Nanu, L.
ROBINOVE, C. J., *see* Duggin, M. J.
ROCCA, F., *see* Prati, C.
RODRIGUEZ, E., *see* Elachi, C.
ROOZEKRANS, J. N., *see* Spitzer, D.
ROSEMA, A., and FISELIER, J. L.: Meteosat-based evapotranspiration and thermal inertia mapping for monitoring transgression in the Lake Chad region and Niger Delta, 741
ROSEMA, A.: Comparison of Meteosat-based rainfall and evapotranspiration mapping in the Sahel region, 2299
ROTHERY, D. A., and FRANCIS, P. W. Cover. Short wavelength infrared images for volcano monitoring, 1665
ROTHERY, D. A., and HUNT, G. A.: A simple way to perform decorrelation stretching and related techniques on menu-driven image processing systems, 133
RUDANT, J. P., *see* Lyberis, N.
RUNNING, S. W., *see* Spanner, M. A.

SAHA, S. K., KUDRAT, M., and BHAN, S. K.: Digital processing of Landsat TM data for wasteland mapping in parts of Aligarh District (Uttar Pradesh), India, 485
SALVAGGIO, C., ISRAEL, S., KANG, Y. T., BARTHOLOMEW, M. L., POKRZYWKA, D. M., DAVIS, J. S., and DUGGIN, M. J.: Modelling scanning and staring imaging infrared sensors using a static performance model, 2311
SARABANDI, K., *see* Ulaby, F. T.
SAULL, R. J., *see* Quarmby, N. A.
SAUNDERS, R. W.: The determination of broad band surface albedo for AVHRR visible and near-infrared radiances, 49
SCHLITTENHARDT, P, *see* Zibordi, G.
SCHLÜSSEL, P., and GRAßL, H.: SST in polynias: A case study, 933
SCHLÜSSEL, P., EMERY, W. J.: Atmospheric water vapour over oceans from SSM/I measurements, 753
SCHLÜSSEL, P., *see* Fischer, J.
SCHMITZ-PEIFFER, A., and GRAßL, H.: Remote sensing of coastal waters by airborne lidar and satellite radiometer. Part 1: A model study, 2163
SCHMITZ-PEIFFER, A., VIEHOFF, T., and GRAßL, H.: Remote sensing of coastal waters by airborne lidar and satellite radiometer. Part 2: Measurements, 2185
SCHMUCK, G.: Applications in *in vivo* chlorophyll fluorescence in forest decline research, 1165
SCHNEIDER, T., *see* Koch, B.
SCHUEPP, P. H., *see* Mack, A. R.
SEN, A. K., DAS, T. K., DEV BARMAN, S., KARMAKAR, P. K., DEV GUPTA, A. K., DAS GUPTA, M. K., CALA, O. P. N., and RANA, S. S.: Modelling of post-rain attenuation of microwaves at 22·235 GHz in relation to vertical transport of water vapour, 1869

SENOO, T., KOBAYASHI, F., TANAKA, S., and SUGIMURA, T.: Improvement of forest type classification by SPOT HRV with 20 m mesh DTM, 1011
SERIO, C., *see* Andretta, A.
SHARMA, S. B., *see* Vyas, A. D.
SHERES, D., and KENYON, K. E.: An eddy, coastal jets and incoming swell all interacting near Pt Conception, California, 5
SHERES, D., and KENYON, K. E.: Swell refraction by the Pt Conception, California, eddy, 27
SHIVA PRASAD, C. R., THAYALAN, S., REDDY, R. S., and REDDY, P. S. A.: Use of Landsat imagery for mapping soil and land resources for development planning in parts of Northern Karnataka, India, 1889
SHUCHMAN, R. A., SUTHERLAND, L. L., and JOHANNESSEN, O. M.: Cover. Surface expressions of eddies within the ice pack, 3
SIDDALINGAIAH, H., *see* Hall, D. K.
SIEBER, A., *see* Way, J.
SIMONETT, D. S., *see* Hess, L. L.
SIMONETT, D., *see* Way, J.
SIMPSON, C. J.: Deep weathering, vegetation and fireburn. Significant obstacles for geoscience remote sensing in Australia, 2019
SINGH, R. P., and SRIVASTAV, S. K.: Mapping of waterlogged and salt-affected soils using microwave radiometers, 1879
SINGH, R. P., KUMAR, V., and SRIVASTAV, S. K.: Use of microwave remote sensing in salinity estimation, 321
SLAUGHTER, C., *see* Way, J.
SMITH, R. C. G., and CHOUDHURY, B. J.: On the correlation of indices of vegetation and surface temperature over south-eastern Australia, 2113
SMITH, R. C. G., and CHOUDHURY, B. J.: Relationship of multispectral satellite data to land surface evaporation from the Australian continent, 2069
SOMERSALO, E., *see* Hallikainen, M. T.
SOULAKELLIS, N., *see* Astaras, T.
SPANNER, M. A., PIERCE, L. L., PETERSON, D. L., and RUNNING, S. W.: Remote sensing of temperate coniferous forest leaf area index. The influence of canopy closure, understory vegetation and background reflectance, 95
SPECTER, C., and GAYLE, D.: Managing technology transfer for coastal zone development: Caribbean experts identify major issues, 1729
SPITZER, D., LAANE, R., and ROOZEKRANS, J. N.: Pollution monitoring of the North Sea using NOAA/AVHRR imagery, 967
SRINIVASAN, A., and RICHARDS, J. A.: Knowledge-based techniques for multi-source classification, 505
SRIVASTAV, S. K., *see* Singh, R. P.
STAKENBORG, J., *see* Kontoes, C.
STEFOULI, M., and ANGELOPOULOS, A.: Integration of Landsat and aeromagnetic data as aid to the structural analysis of Crete and S. E. Peloponessus, 1625
STEINMETZ, S., GUERIF, M., DELECOLLE, R., and BARET, R.: Spectral estimates of the absorbed photosynthetically active radiation and light-use efficiency of a winter wheat crop subjected to nitrogen and water deficiencies, 1797
STOWE, L. L., *see* Pinker, R. T.
STUTTARD, M. J., *see* Belward, A. S.
SUGIMURA, T., *see* SENOO, T.
SURJANTO, W. J., *see* van der Meer Mohr, H.
SUTHERLAND, L. L., *see* Shuchman, R. A.

TAN, H. S., *see* Chuan, H. T.
TANAKA, R., *see* SENOO, T.
TANRÉ, D., DEROO, C., DUHAUT, P., HERMAN, M., MORCRETTE, J. J., PERBOS, J., and DESCHAMPS, P. Y.: Description of a computer code to simulate the satellite signal in the solar spectrum: the 5S code, 569
TARES, T., *see* Hallikainen, M. T.
TAYLOR, J. C., *see* Belward, A. S.
TEWARI, M., *see* Basu, S.

THAYALAN, S., *see* Shiva Prasad, C. R.
THOMSON, A. G., and JONES, C.: Effects of topography on radiance from upland vegetation in North Wales, 829
TOIKKA, M., *see* Hallikainen, M. T.
TOPINKA, J. A., KORJEFF BELLOWS, W., and YENTSCH, C. S.: Characterization of marine macroalgae by fluorescence signatures, 2329
TOPLISS, B. J., ALMOS, C. L., and HILL, P. R.: algorithms for remote sensing of high concentration, inorganic suspended sediment, 947
TOULIOS, L. G., YASSOGLOU, N. J., and MOUTSOULAS, M.: Land-use mapping in West Messinia, Greece, using satellite imagery, 1645
TOWNSHEND, J. R. G., and JUSTICE, C. O.: The spatial variation of vegetation changes at very coarse scales, 149
TRIVEDI, A. J., *see* Vyas, A. D.
TUCKER, C. J., *see* Malingreau, J. P.
TUZET, A.: A simple method for estimating downward longwave radiation from surface and satellite data by clear sky, 125

ULABY, F. T., SARABANDI, K., MCDONALD, K., WHITT, M., and DOBSON, M. C.: Michigan microwave canopy scattering model, 1223
ULABY, F., *see* Way, J.

VAN DER MEER MOHR, H., HANDAYA, A., and SURJANTO, W. J.: An evaluation of SPOT capability for mapping the geology and soils of Central Java, 685
VENUGOPAL, G., *see* Leak, S. M.
VICKERY, P. J., *see* Marjoram, A. R.
VIEHOFF, T., *see* Schmitz-Peiffer, A.
VIEHOFF, T.: A shipborne AVHRR-HRPT receiving and image processing system for polar research, 877
VIERECK, L., *see* Way, J.
VOGELMANN, J. E.: Comparison between two vegetation indices for measuring different types of forest damage in the north-eastern United States, 2281
VORA, A. B., *see* Vyas, A. D.
VYAS, A. D., TRIVEDI, A. J., CALLA, O. P. N., RANA, S. S., SHARMA, S. B., and VORA, A. B.: Experimental data for separation of vegetation and soil and estimation of soil moisture using passive microwaves, 1421

WAGLE, B. G., and HASHIMI, N. H.: Coastal geomorphology of Mahe Island, Seychelles, 281
WANG, J. R., and MO, T.: The polarization phase difference of orchard trees, 1255
WANG, J. R., *see* Choudhury, B. J.
WANG, Q., *see* Gogineni, S.
WAY, J., PARIS, J., KASISCHKE, E., SLAUGHTER, C., VIERECK, L., CHRISTENSEN, N., DOBSON, M. C., ULABY, F., RICHARDS, J., MILNE, A., SIEBER, A., AHERN, F. J., SIMONETT, D., HOFFER, R., IMHOFF, M., and WEBER, J.: The effect of changing environmental conditions on microwave signatures of forest ecosystems: premiliminary results of March 1988 Alaskan aircraft SAR experiment, 1119
WEBB, D. J., *see* Challenor, P. G.
WEBER, J., *see* Way, J.
WEBSTER, R., *see* Ashcroft, P. M.
WEGENER, M.: Destriping multiple sensor imagery by improved histogram matching, 859
WELLS, J. B., *see* Prata, A. J.
WEST, J. C., MOORE, R. K., and HOLTZMAN, J. C.: Synthetic-aperture-radar imaging of the ocean surface using the slightly-rough facet model and a full surface-wave spectrum, 1451
WEST, J. C., MOORE, R. K., and HOLTZMAN, J. C.: The slightly-rough facet model in radar imaging of the ocean surface, 617
WESTIN, T.: Filters for removing coherent noise of period 2 in SPOT imagery, 351
WHITT, M., *see* Ulaby, F. T.
WIEGAND, C. L., *see* Richardson, A. J.
WILKIE, D. S.: GPS location data. An aid to satellite image analyses of poorly mapped regions, 653

WINKEL, T., *see* Rambal, S.
WITTMEIER, H., *see* Koch, B.
WRIGHT, I. R.: A laboratory calibration of infrared thermometers, 181
WU, J., *see* Miller, J. R.
WYATT, L. R.: A relaxation method for integral method for integral inversion applied to HF radar measurement of the ocean wave directional spectrum 1481

YASSOGLOU, N. J., *see* Toulios, L. G.
YENTSCH, C. S., *see* Topinka, J. A.

ZHAO-LIANG LI, *see* Becker, F.
ZIBORDI, G., MARACCI, G., and SCHLITTENHARDT, P.: Ocean colour analysis in coastal waters by airborne sensors, 705
ZIBORDI, G., *see* Maracci, G.
ZILLMAN, J. W., GRIERSMITH, D., LE MARSHALL, J., and GAUNTLETT, D. J.: Remote sensing applications in the Australian Bureau of Meteorology, 1979.